

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1320253

Luminaire Tested: LDSQA3D17R309840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320253  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309840DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

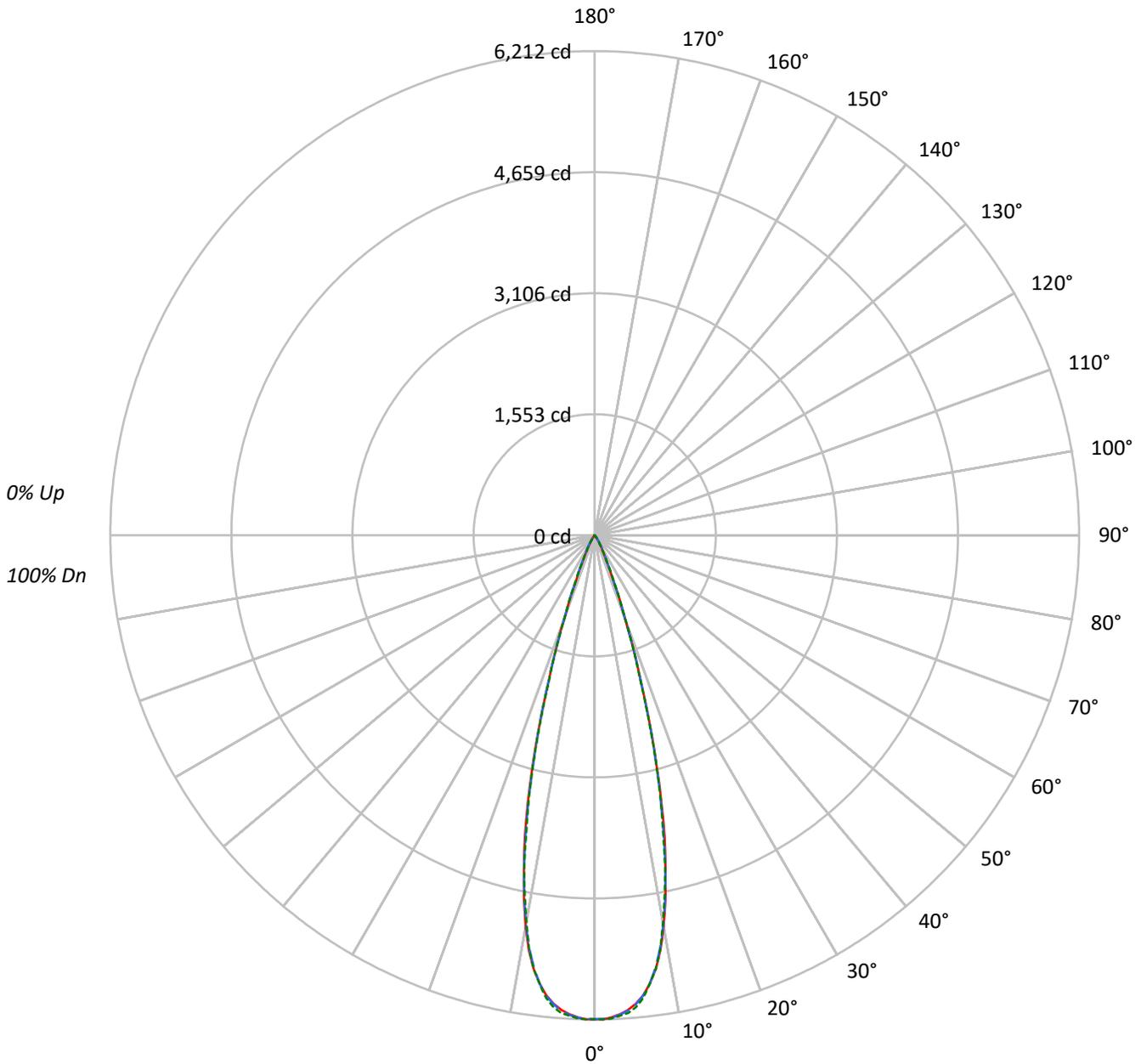
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1602.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1069244	1069244	1069244
5°	1043178	1044458	1050284
10°	890941	886814	881585
15°	549818	543381	545378
20°	207798	208934	208714
25°	63925	70082	66775
30°	25773	32713	26767
35°	7590	13876	7863
40°	3080	5598	3080
45°	609	1827	609
50°	0	322	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1827 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	547.6	34.2
10°-20°	810.8	50.6
20°-30°	201.1	12.6
30°-40°	37.8	2.4
40°-50°	4.8	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1559.5	97.3
0°-40°	1597.2	99.7
0°-60°	1602.0	100.0
0°-90°	1602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1602.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6208	6208	6208	6208	6208	
5°	6034	6032	6042	6052	6075	548
15°	3084	3054	3048	3071	3059	815
25°	336	359	369	368	351	194
35°	36	47	66	49	37	30
45°	2	4	8	5	2	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6208.5	6208.5	6208.5	6208.5	6208.5
1°	6211.0	6206.0	6206.0	6198.5	6212.2
2°	6188.6	6183.6	6192.3	6186.1	6203.5
3°	6154.9	6148.7	6161.2	6164.9	6173.6
4°	6105.1	6100.1	6113.8	6121.3	6145.0
5°	6034.1	6031.6	6041.5	6051.5	6075.2
6°	5936.9	5933.2	5939.4	5951.8	5966.8
7°	5796.1	5788.6	5793.6	5796.1	5799.8
8°	5617.9	5606.7	5600.5	5614.2	5621.7
9°	5388.7	5376.2	5362.5	5357.5	5375.0
10°	5094.6	5075.9	5071.0	5058.5	5041.1
11°	4753.2	4738.3	4734.6	4712.1	4702.2
12°	4362.0	4354.5	4363.3	4349.6	4344.6
13°	3987.0	3939.7	3933.4	3907.3	3893.6
14°	3543.4	3499.8	3498.6	3484.9	3503.6
15°	3083.7	3053.8	3047.6	3071.2	3058.8
17.5°	1966.1	1986.0	1981.0	1968.6	1947.4
20°	1133.8	1120.1	1140.0	1145.0	1138.8
22.5°	604.3	609.3	613.0	628.0	637.9
25°	336.4	358.8	368.8	367.6	351.4
27.5°	209.3	223.0	241.7	229.3	215.5
30°	129.6	140.8	164.5	142.0	134.6
32.5°	69.8	88.5	105.9	88.5	72.3
35°	36.1	47.3	66.0	48.6	37.4
37.5°	23.7	27.4	42.4	27.4	23.7
40°	13.7	17.4	24.9	17.4	13.7
42.5°	6.2	10.0	13.7	10.0	6.2
45°	2.5	3.7	7.5	5.0	2.5
47.5°	0.0	1.2	3.7	1.2	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)